10588507 - GAU: 1717

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AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A thin film forming apparatus to form a thin film on

each of a plurality of substrates held on an outer circumferential surface of a cylindrical

substrate holder that is rotatable about a rotating shaft, while the cylindrical substrate

holder is being rotated in an evacuatable chamber, the thin film forming apparatus

comprising:

a transferring device that transfers one of a substrate itself or a substrate fixing

jig fixedly holding a substrate or a plurality of substrates that is removeably securable

onto the outer circumferential surface of the cylindrical substrate holder to/from the

cylindrical substrate holder in the evacuatable chamber; and

means for releasably securing the substrate itself or the substrate fixing jig

transferred by the transferring device onto the outer circumferential surface of the

cylindrical substrate holder.

wherein the cylindrical substrate holder is rotatable around the rotating shaft

which is provided in a horizontal direction;

wherein the transferring device is provided outside the evacuatable chamber and

includes an arm insertable into a gap between the cylindrical substrate holder and the

substrate fixing jig or the substrate itself;

wherein the arm, when holding the substrate fixing jig or the substrate itself, is

transferred along the outer circumferential surface of the cylindrical substrate holder in a

2

direction parallel with the rotating shaft[[; and]],

Application Number: 10/588,507 Attorney Docket Number: 029567-00009 10588507 - GAU: 1717

wherein an end of one of the substrate fixing jig or the substrate itself, which is

transferable by the transferring device, is fixable to the cylindrical substrate holder by

the means for releasably securing:

Receipt date: 04/08/2011

wherein the substrate fixing jig comprises outwardly bent end parts, the

outwardly bent end parts defining the middle substrate fixing portion for receiving the

substrate and defining the gap between the substrate holder and the substrate fixing jig

when the substrate fixing jig is mounted to the cylindrical substrate holder.

2. (Currently Amended) The thin film forming apparatus according to claim 1,

wherein the cylindrical substrate holder is installed rotatably about a horizontal rotating

shaft, and the transferring device transfers one of the substrate fixing jig and the

substrate itself in a horizontal direction.

3. (Currently Amended) The thin film forming apparatus according to claim 1,

wherein the transferring device transfers one of the substrate fixing jig and the substrate

itself in an axial direction of the rotating shaft.

4. (Currently Amended) The thin film forming apparatus according to claim 1,

wherein the transferring device transfers one of the substrate fixing jig and the substrate

itself in a direction parallel to an outer circumferential surface of the cylindrical substrate

holder.

Receipt date: 04/08/2011 10588507 - GAU: 1717

5. (Previously Presented) The thin film forming apparatus according to claim 1,

wherein both the transferring to/from action by the transferring device and the securing

action by the means for releasably securing are performed in a depressurized

environment.

6. (Previously Presented) The thin film forming apparatus according to claim 1.

wherein the releasing action by the means for releasably securing is controlled by an

electrical signal.

7. (Currently Amended) The thin film forming apparatus according to claim 1.

wherein the means for releasably securing has a mechanism to hold one of the

substrate fixing jig and the substrate itself by pressing with a retaining member, and a

mechanism to release one of the substrate fixing iig and the substrate itself from the

holding by compressing the retaining member by one of a drive unit mounted outside of

the evacuatable chamber or a drive unit mounted inside of the cylindrical substrate

holder.

8. (Previously Presented) The thin film forming apparatus according to claim 1,

wherein the means for releasably securing secures the substrate fixing jig by magnetic

force.

Receipt date: 04/08/2011 10588507 - GAU: 1717

9 (Previously Presented) The thin film forming apparatus according to claim 1,

wherein the transferring device is installed in a transferring chamber which is connected

to the evacuatable chamber via a valve, and the transferring chamber is evacuatable.

10. (Previously Presented) The thin film forming apparatus according to claim 9,

further comprising a load/unload chamber which is connected to the transferring

chamber via a valve, and the load/unload chamber is evacuatable.

11. (Previously Presented) The thin film forming apparatus according to claim 1.

wherein the film is formed by one of sputtering, deposition, and CVD, or a combination

thereof.

12. (Previously Presented) The thin film forming apparatus according to claim 1.

wherein one of a reaction gas supplying device to supply a reaction gas, a plasma

exposing device to expose plasma, a ion irradiating device to irradiate ions, and an

etching device to etch a portion of the thin film, or a combination thereof is applicable to

the thin film.

13. (Cancelled)

14 (Previously Presented) The thin film forming apparatus according to claim 1,

wherein the means for releasably securing comprises an upper securing member and a

lower securing member configured to receive an end part of the substrate fixing iig.

Receipt date: 04/08/2011 10588507 - GAU: 1717

15. (Currently Amended) The thin film forming apparatus according to claim [[13]] 1, wherein the means for releasably securing comprises a moveable shaft, and a retaining member biasing the moveable shaft.

16. (Previously Presented) The thin film forming apparatus according to claim 15, wherein the means for releasably securing comprises a hold-down plate fixedly attached to an upper end of the moveable shaft.

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